

ZINC IN ROCK SAMPLES  
(atomic-absorption determinations)

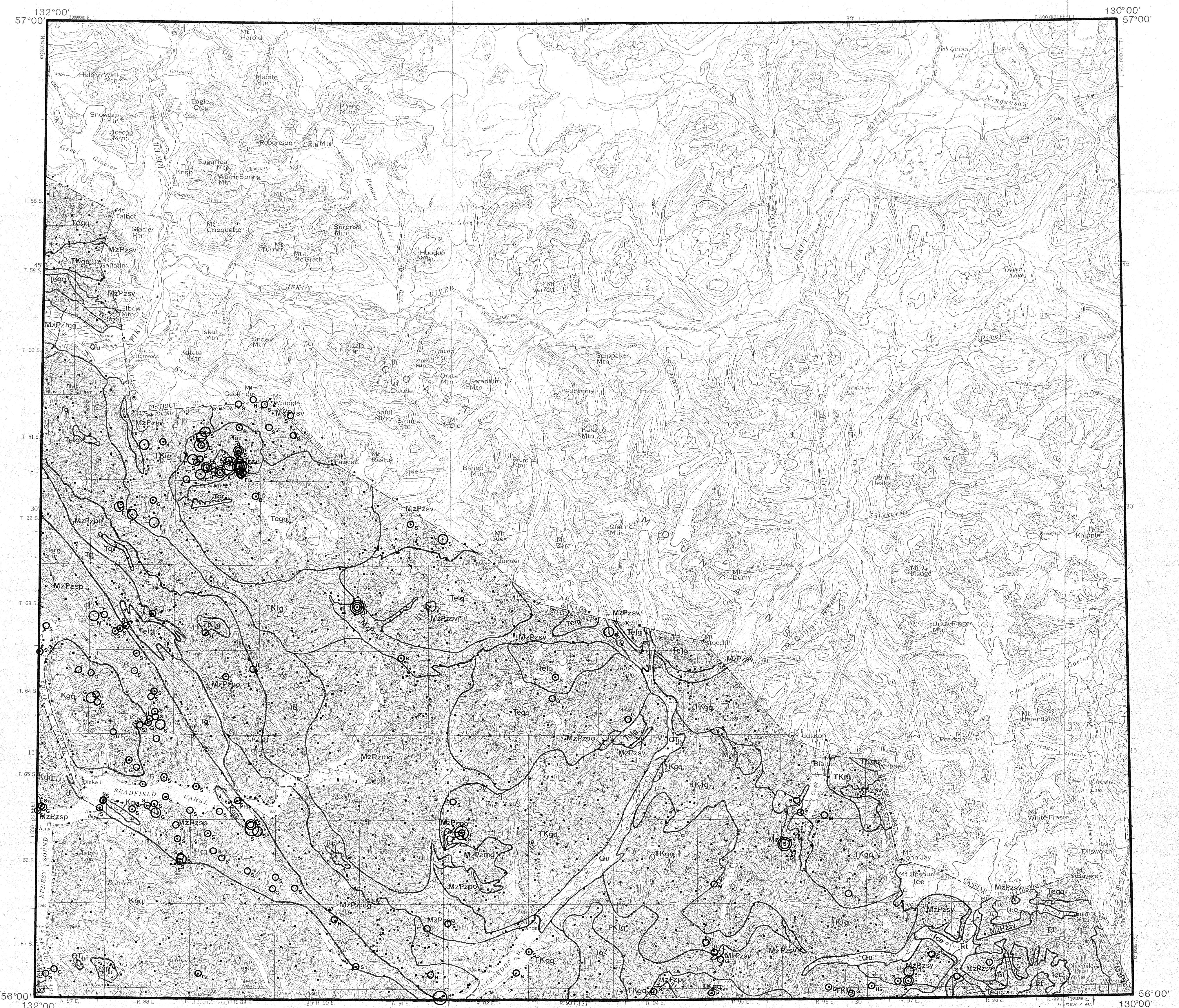
OPEN-FILE REPORT

81-728-F

SHEET 1 OF 4

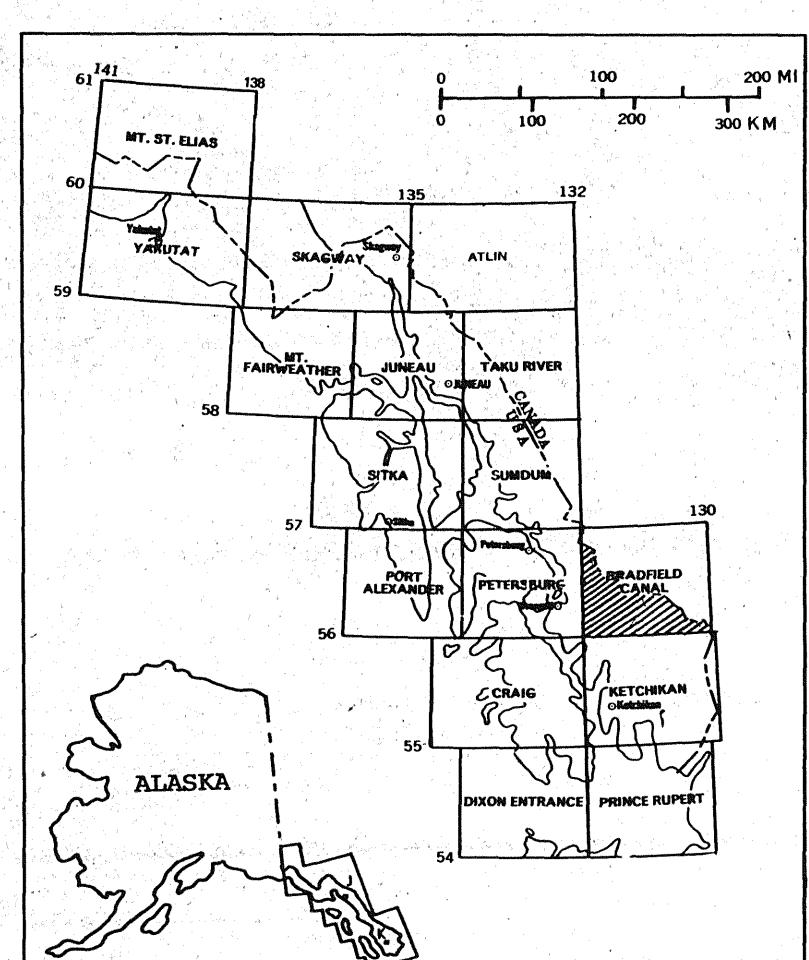
FOLIO OF THE BRADFIELD CANAL QUADRANGLE, ALASKA

KOCH AND ELLIOTT--GEOCHEMISTRY--Zn



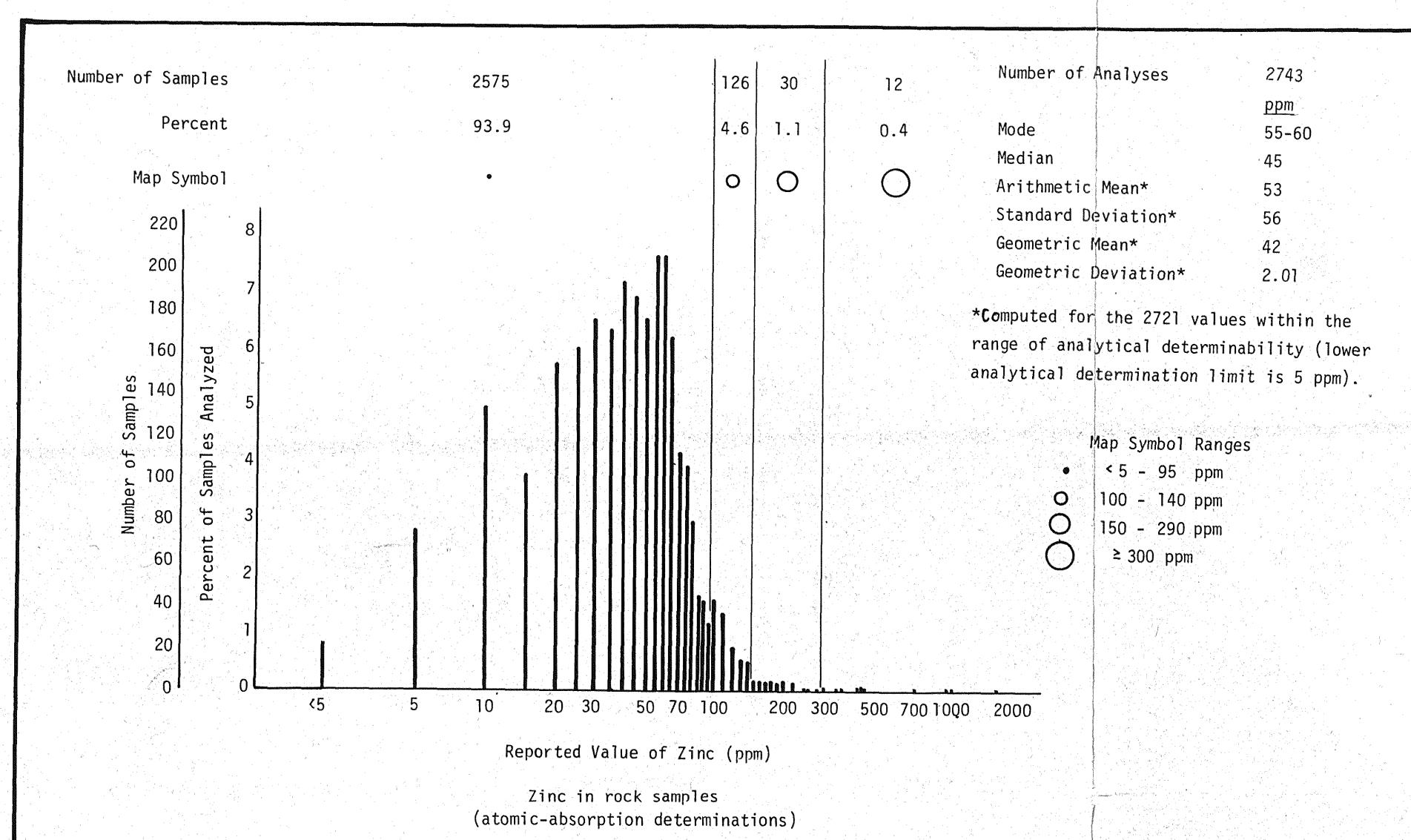
ROCK SAMPLES

SCALE 1:250,000  
CONTOUR INTERVAL 200 FEET  
DATUM IS MEAN SEA LEVEL



MAPS SHOWING DISTRIBUTION AND ABUNDANCE OF ZINC IN GEOCHEMICAL SAMPLES FROM THE BRADFIELD CANAL QUADRANGLE, SOUTHEASTERN ALASKA

by  
R. D. KOCH AND R. L. ELLIOTT  
1981



**Discussion**

During U.S. Geological Survey investigations in the Bradfield Canal quadrangle between 1968 and 1979, 2721 rock geochemical samples, 1255 stream-sediment samples, and 210 stream-sediment heavy-mineral concentrate samples were collected. These data were used to determine the distribution of zinc by semi-quantitative emission spectrographic method (Grimes and Maranzano, 1968) and atomic-absorption method (Koch and Elliott, 1980a,b,c; Koch and Elliott, 1989). Complete analytical data for all samples, plus location maps, station coordinates, and a discussion of sampling and analytical procedures are available in the report of the 1979 field work (Koch, Elliott, and Grimes, 1980). Analytical results from atomic-absorption analyses are reported at intervals of 5 ppm between 5 and 100 ppm and at intervals of 100 ppm for values above 100 ppm.

**Map**

This

map

and

the

accompanying

sheets

show

the

amounts

of

zinc

detected

in

all

geological

samples

collected

in

the

Bradfield

Canal

quadrangle

between

1968

and

1979

for

both

atomic

-absorption

and

spectrographic

methods.

The

spectrographic

method

is

more

precise

than

the

atomic

-absorption

method

but

less

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